



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/569,541	11/03/2006	Satoru Nagamoto	515.038US01	1247
34206	7590	05/13/2009	EXAMINER	
FOGG & POWERS LLC			PAN, YUWEI	
5810 W 78TH STREET			ART UNIT	PAPER NUMBER
SUITE 100				2618
MINNEAPOLIS, MN 55439				
NOTIFICATION DATE		DELIVERY MODE		
05/13/2009		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DAVID@FOGLAW.COM
DOCKETING@FOGLAW.COM

Office Action Summary	Application No. 10/569,541	Applicant(s) NAGAMOTO ET AL.
	Examiner YUWEN PAN	Art Unit 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 02 April 2009.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-13 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-13 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1 and 13 have been considered but are moot in view of the new ground(s) of rejection.
2. The applicant argues that prior art of record does not teach the claim limitation of claim 12. The examiner respectfully disagrees. Noreen clearly teaches a broadcast function unit (see figure 1 and item 102) for broadcasting said music database information (see para 47 and 50) from said transmission use music database as multiplex information multiplexed on a predetermined broadcast wave (AM/FM, digital radio band). Therefore, Noreen reference anticipates claim 12.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
4. Claims 1, 13 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The applicant's newly added limitation recites "the terminal is further comprised of a playback unit which plays the recording media and a display unit which searches the reception side music database according to the identification information of the recording media being played back at the playback unit and displays music information thus search for on the display

unit. Such newly added limitation has no support from the original specification especially, "the playback unit" is no way found in the specification.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claim 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Noreen (US 20020183059A1).

Per claim 1, Noreen discloses an updating system (see abstract) of a music database provided with a transmission apparatus (see figure 1 and item 102) having a transmission use music database (see figure 3 and item 200-204) storing music database information comprising identification information (see figure 4) for identifying recording media and music information corresponding to that identification information (see para. 50, and 52) and a broadcast function unit for broadcasting said music database information from said transmission use music database as multiplex information multiplexed on a broadcast wave (para 47, identifying individual program segment) and a terminal (see figure 1 and item 104) having a reception function unit (see figure 2 and item 116) for receiving a predetermined broadcast wave on which the music database information is multiplexed broadcast from the broadcast function unit, an extraction function unit (see figure 3 and item 208, 210, 212, and 214) for extracting the music database information from the received predetermined broadcast wave, and an update function unit for

storing the extracted music database information in a reception side music database (see para.52).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-4, 6-8, 11, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noreen (US 20020183059A1, hereinafter "Noreen") in view of Jawa et al (US006728729B1, hereinafter Jawa).

Per claim 1, Noreen discloses an updating system (see abstract) of a music database provided with a transmission apparatus (see figure 1 and item 102) having a transmission use music database (see figure 3 and item 200-204) storing music database information comprising identification information (see figure 4) for identifying recording media and music information corresponding to that identification information (see para. 52) and a broadcast function unit for broadcasting said music database information from said transmission use music database as multiplex information multiplexed on a broadcast wave (para 47, identifying individual program segment) and a terminal (see figure 1 and item 104) having a reception function unit (see figure 2 and item 116) for receiving a predetermined broadcast wave on which the music database information is multiplexed broadcast from the broadcast function unit, an extraction function unit (see figure 3 and item 208, 210, 212, and 214) for extracting the music database information

from the received predetermined broadcast wave, and an update function unit for storing the extracted music database information in a reception side music database (see para.52).

Noreen does not teach that the terminal is further comprised a playback unit which plays the recording media and a display unit which searches the reception side music database according to the identification information of the recording media being played back at the playback unit and displays music information thus searched for on the display unit. Jawa teaches terminals (see figure 1 and item 110, 115, 125 and 130) that are able to play the recording media in the server network (105, see column 4 and lines 1-17, with at least iPodsTM, the client is able to play or play back any media information from the server) and further is able to display all the song information and play list (see column 4 and lines 26-65) via the display on the terminal (see column 8 and lines 35-47). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the references to provide constant feedback to the client when he or she is accessing the received information.

Per claim 2, Noreen further teaches that said transmission apparatus has a collection function unit which cooperates with said transmission use music database and collects the music database information to be stored in the transmission use music database (see para. 50).

Per claim 3, Noreen further teaches collection function unit selects music database information based on at least one of various popularity ranking information, the frequency of broadcasts (see para. 58, statistical profiles), new music release information, and power play information given from various music providers (vendors).

Per claim 4, Noreen further teaches that said transmission apparatus is provided with a database source continuously editing and registering music database information corresponding to new music to construct a general music database and said collection function unit collects the music database information from the database source.

Per claim 6, Jawa teaches that teach said broadcast function unit transmits the music database information multiplexed on a predetermined broadcast wave repeatedly at all times or periodically at predetermined times (see column 9, and lines 17-36). it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the references to ensure the end user has most recent updates.

Per claim 7, Noreen further teaches that said reception function unit receives the multiplexed broadcast wave locked at said transmission apparatus side, unlocks the multiplexed broadcast wave by a key (password) held by the terminal, and outputs the unlocked multiplexed broadcast wave to said extraction function unit (see para 52).

Per claim 8, Noreen further teaches said reception function unit receives the multiplexed broadcast wave containing the music database information locked at the transmission apparatus side, and said extraction function unit unlocks the locked music database information by a key held by the terminal and extract the music database information (see para. 52).

Per claim 11, Jawa further teaches that said reception side music database enables a search for corresponding music information based on identification information of the recording media reproduced (see column 3 and lines 45-61).

Per claim 13, Noreen discloses a terminal having a function of updating a music database including: a reception side music database enabling a search for corresponding music information based on identification information recorded on a recording media (see figure 17 and para 77), a reception function unit for receiving a predetermined broadcast wave on which the music database information broadcast from the broadcast function unit is multiplexed as multiplex information (see figure 16 and item 418), an extraction function unit for extracting the music database information from the broadcast wave received by the reception function unit, and an update function unit for storing the extracted music database information in a reception side music database (see para 79). Noreen does not teach that the terminal is further comprised a playback unit which plays the recording media and a display unit which searches the reception side music database according to the identification information of the recording media being played back at the playback unit and displays music information thus searched for on the display unit. Jawa teaches terminals (see figure 1 and item 110, 115, 125 and 130) that are able to play the recording media in the server network (105, see column 4 and lines 1-17, with at least iPodsTM, the client is able to play or play back any media information from the server) and further is able to display all the song information and play list (see column 4 and lines 26-65) via the display on the terminal (see column 8 and lines 35-47). It would have been obvious to one of

ordinary skill in the art at the time the invention was made to combine the references to provide constant feedback to the client when he or she is accessing the received information.

9. Claims 5, 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noreen in view of Yamamoto (JP02002108352A).

Per claim 5, Noreen discloses an analogues art as recited in claim 1. Noreen does not teach that the broadcast function unit transmits all of the music database information of the transmission use music database or the difference in the music database information newly added in the transmission use music database as multiplex information multiplexed on a predetermined broadcast wave. Yamamoto teaches that the broadcast function unit transmits all of the music database information of the transmission use music database or the difference in the music database information newly added in the transmission use music database as multiplex information multiplexed on a predetermined broadcast wave (see abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the references to provide a device that can automatically distribute update information and music data that a user desires.

Per claim 9 and 10, Yamamoto further teaches when receiving all of the music database information from said transmission use music database of said transmission apparatus side, said update function unit rewrites (update) the reception side music database with all that music database information received or extracts from all that music database information received the unrecorded music database information as the difference in music database information and stores the difference in said reception side music database, and when receiving the newly added

Art Unit: 2618

difference in music database information from said transmission use music database of said transmission apparatus side, said update function unit stores the newly added difference in music database information in the reception side music database (see abstract).

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YUWEN PAN whose telephone number is (571)272-7855. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yuchen Pan/
Primary Examiner, Art Unit 2618